

UNSTEADY DISCHARGE CALIBRATION OF A LARGE V-NOTCH WEIR

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HIGHLIGHTS

- + Unsteady discharge calibration was performed with a 90° V-notch weir.
- + The sudden gate opening induced an initial phase dominated by a free-falling motion.
- + This was followed by a gradually-varied phase with some seiche in the tank.
- + The results yielded a dimensionless discharge coefficient $C_d = 0.58$.
- + The unsteady discharge calibration yielded similar results to a more traditional calibration approach.